

HOW

4

INCHES

1

2

can more than double the range
of your present broadcast receiver

OR
reduce the
power requirement
of your present
transmitter to
one-fourth its
present power

OR
reduce the
size of your
receiving antenna
to one-fourth its
present size



LOW NOISE TUNNEL DIODE AMPLIFIER

Improve system sensitivity by improving signal-to-noise ratio. A 15 db gain tunnel diode amplifier with a 4.5 db noise figure, in front of a 12 db receiver, will reduce system noise figure to 4.85 db. This 7 db improvement will more than double the range, or more than quarter the antenna size, or more than quarter the requirements for transmitter power.

Our tunnel diode amplifiers are designed with coaxial connectors or waveguide flanges to match your present system hardware and to operate from any available power supply. And they are reliable. Life tests on the tunnel diodes have established a failure rate of 0.01 percent per 1000 hours.



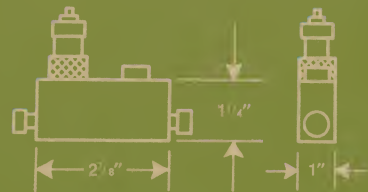
Low noise tunnel diode amplifiers are manufactured in production lots. Typical TDAs for television and common carrier systems include:

Model	Frequency (Mc)	Gain	Noise Figure	Connector	Outline
ACR 2050-15	1990-2110	15 db min	4.5 db	coax	1
ACR 3950-15	3700-4200	15 db min	5.0 db	coax	1
ACR 6175-15	5900-6400	15 db min	5.0 db	coax	2
A WR 6175-15	5900-6400	15 db min	5.0 db	W.G.	3
ACR 7000-15	6875-7125	15 db min	5.0 db	coax	2
A WR 7000-15	6875-7125	15 db min	5.0 db	W.G.	3
A WR 11200-15	10700-11700	15 db min	5.5 db	W.G.	4
A WR 12950-15	12700-13200	15 db min	5.5 db	W.G.	4

Fill out the attached card. Complete specifications and applications information are available. Or call International Microwave Corporation, 203-661-6277.



OUTLINE 1



OUTLINE 2

First Class
Permit No. 3
Cos Cob, Conn.

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